

Investigation: Box plot Comparison

NAMES _____

The following table lists the median weekly earnings of full-time workers by occupation and gender for 2000:

Median Weekly Earnings, 2000

Occupation	Men	Women
Managerial and professional specialty	\$999	\$697
Executive, administration, and managerial	995	684
Professional specialty	1001	708
Technical, sales, and admin. support	653	451
Technicians and related support	754	539
Sales occupations	683	379
Administrative support including clerical	552	455
Service occupations	405	313
Protective service	636	470
Precision production, craft, and repair	622	439
Mechanics and repairers	645	588
Operators, fabricators, and laborers	492	353
Machine operators, assemblers, and inspectors	498	353
Transportation and material moving	555	421
Handlers, equipment cleaners, helpers, and laborers	401	329
Farming, forestry, and fishing	342	288

(Bureau of Labor Statistics, www.bls.gov)

- A.) Just by looking at the values in the table, how would you say men's and women's wages compared?
- B.) Make two box plots, one for men's salaries and one for women's salaries above the same number line in the space below. Use them to compare the two data sets. Remember to be thorough and use the vocabulary you have learned so far.
- C.) What does the data tell you about women's and men's wages for the same type of work in 2000?
- D.) Do the box plots help you identify characteristics of the data better than the table does? Are there any aspects of the data that are better seen in the table?

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Comparison
